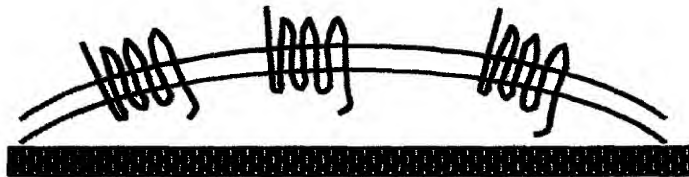
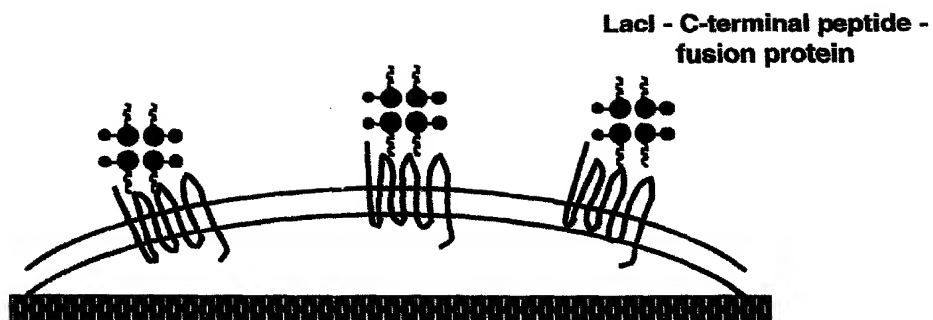


Figure 1

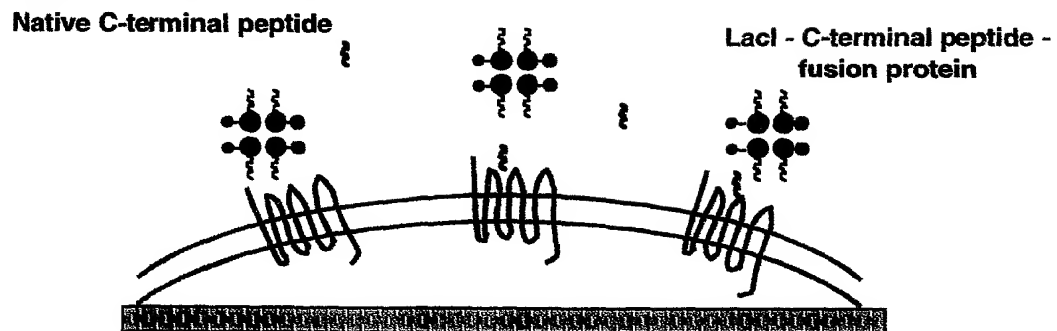
Bind GPCR to well



Add peptide library



Use parent peptide to compete



map of pJS142 vector

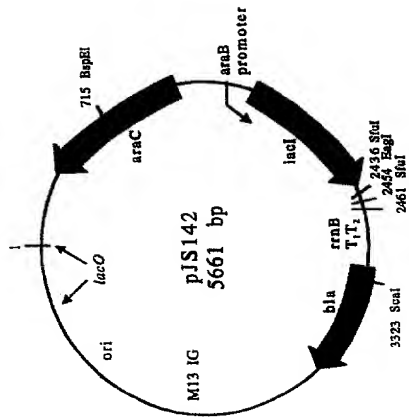


Figure 2

Figure 3

ELISA

Read plate at OD₄₀₅ to determine amount of LacI-peptide fusion protein binding to plate

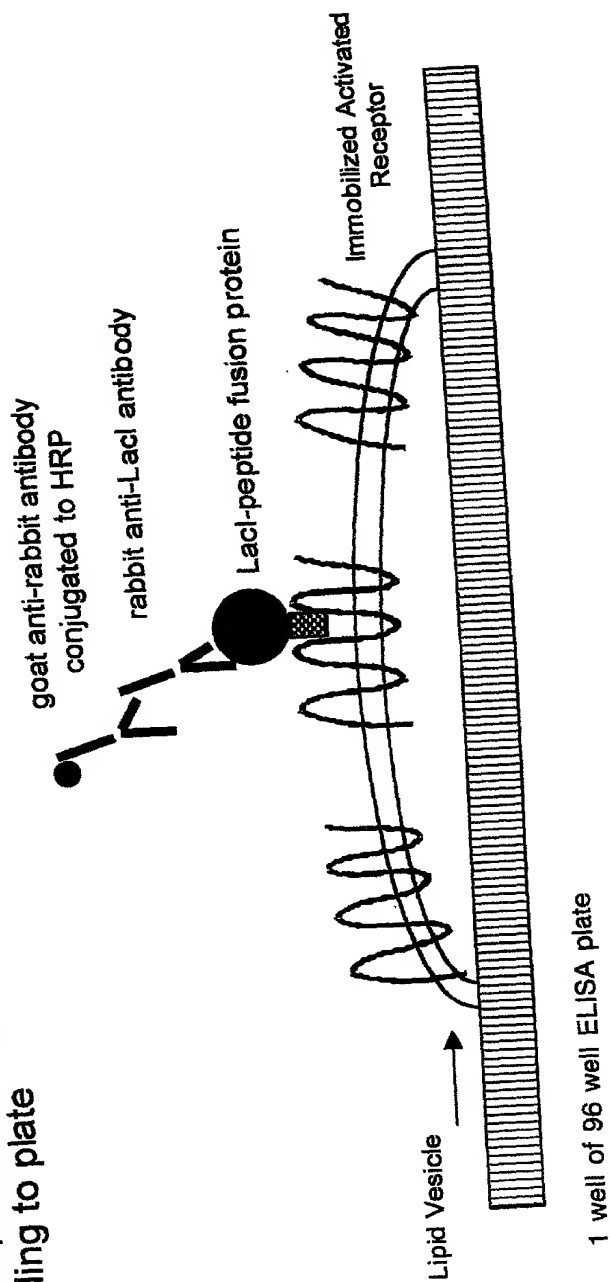


Figure 4

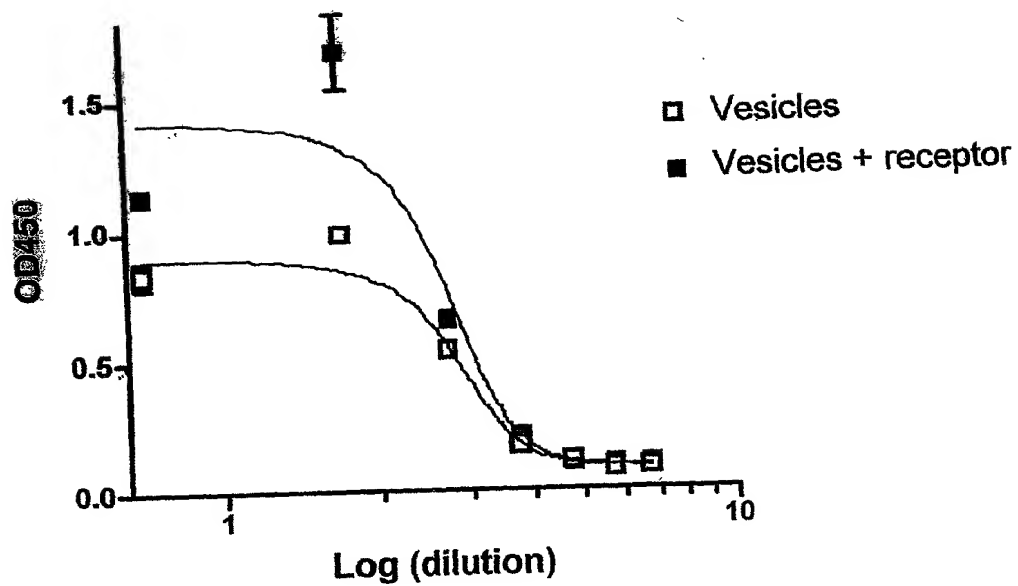
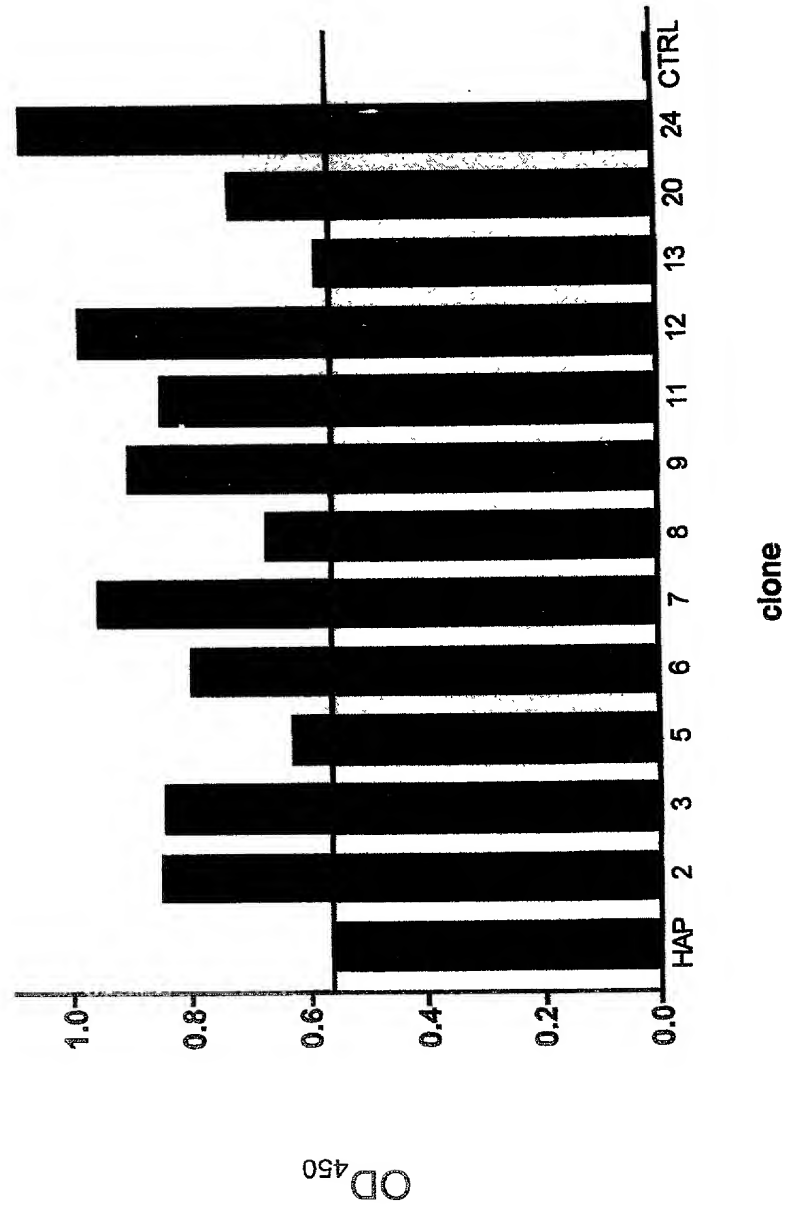


Figure 5



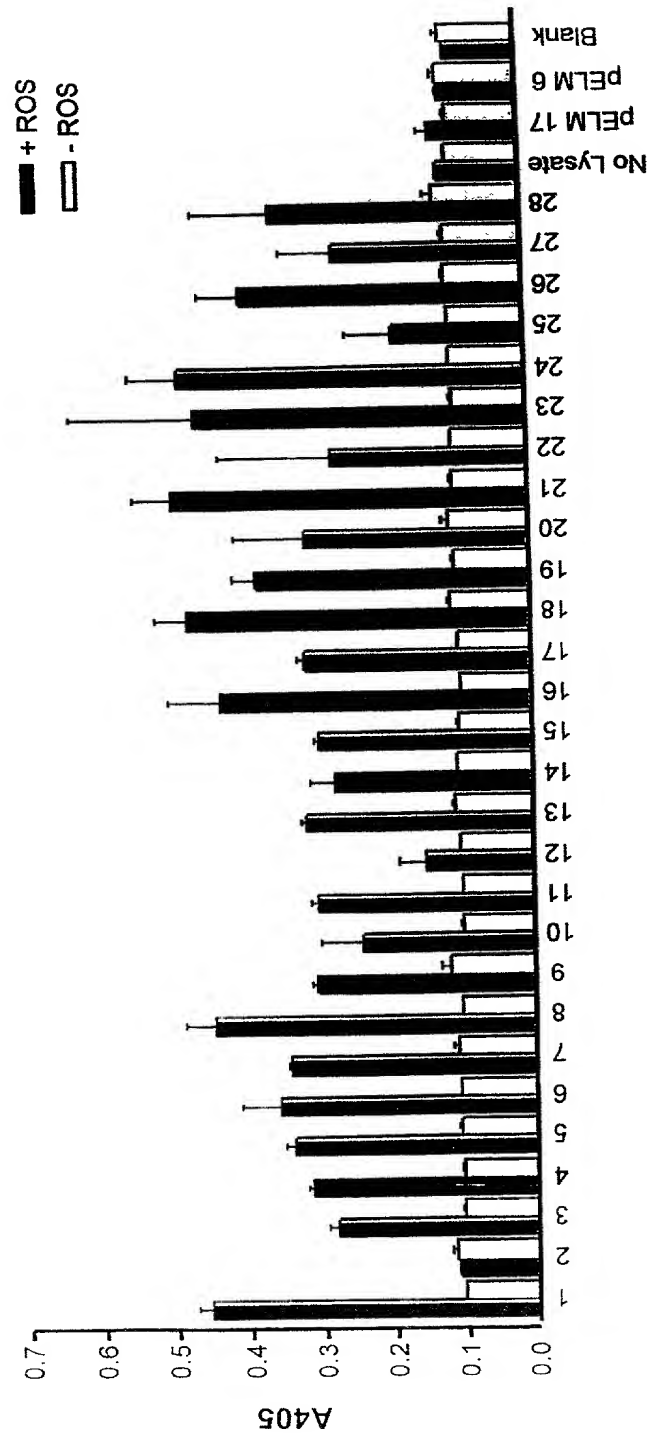


Figure 6

Figure 7

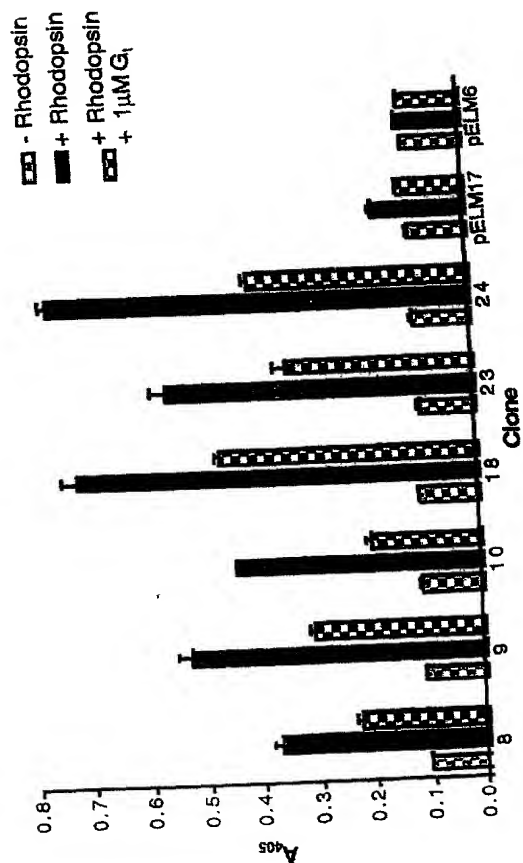


Figure 8

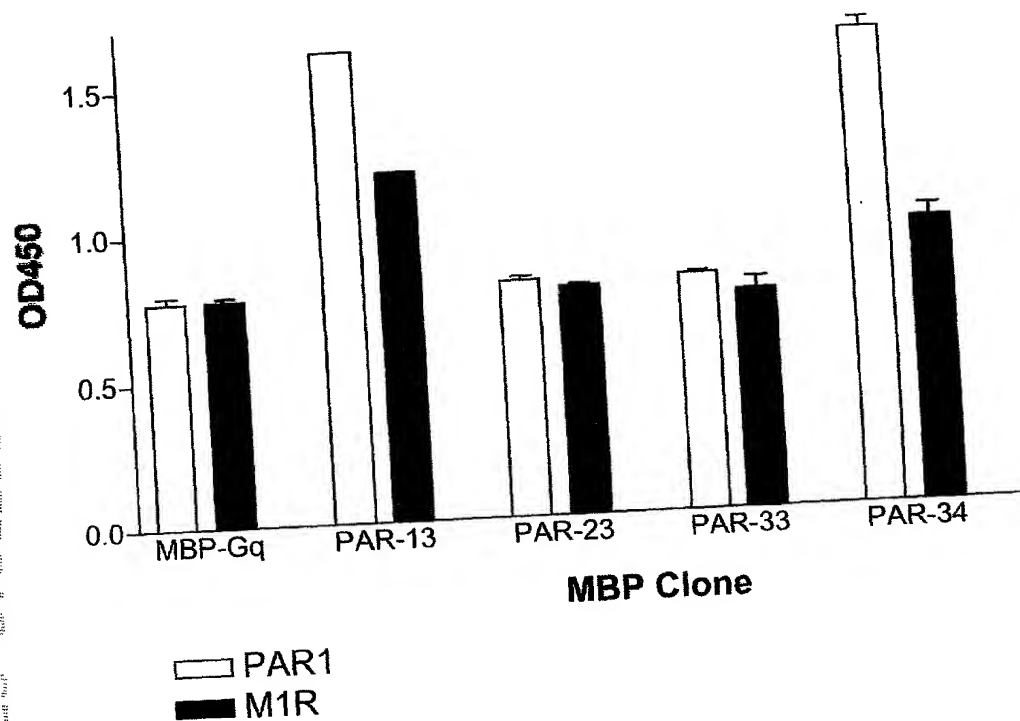


Figure 9

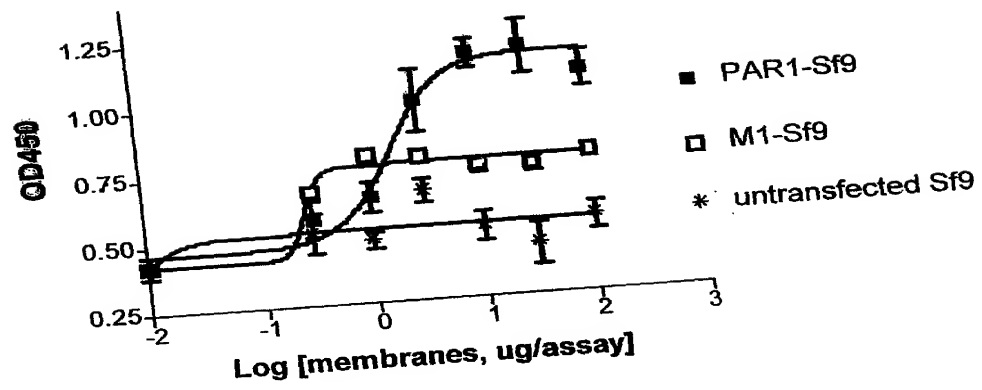
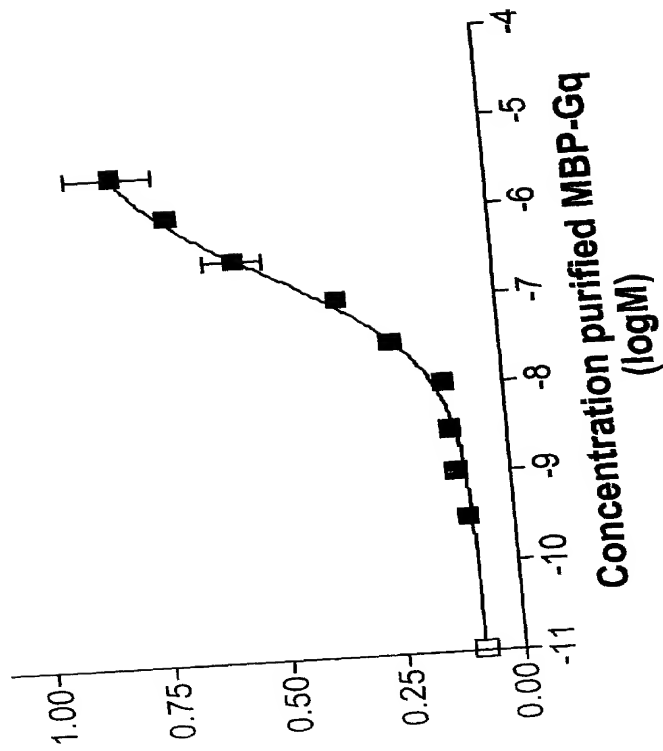


Figure 10



Gi peptide sequence

BamHI

Ribosomal binding site

stop

HindIII

New NcoI site

gatcc

gcc gcc acc atttggg

cggtggg

g

atc aag aac aac ctg aag gac tgc ggc ctc ttc

tag ttc ttg ttg gac ttc ctg acg ccg gag aag

act

ttcga

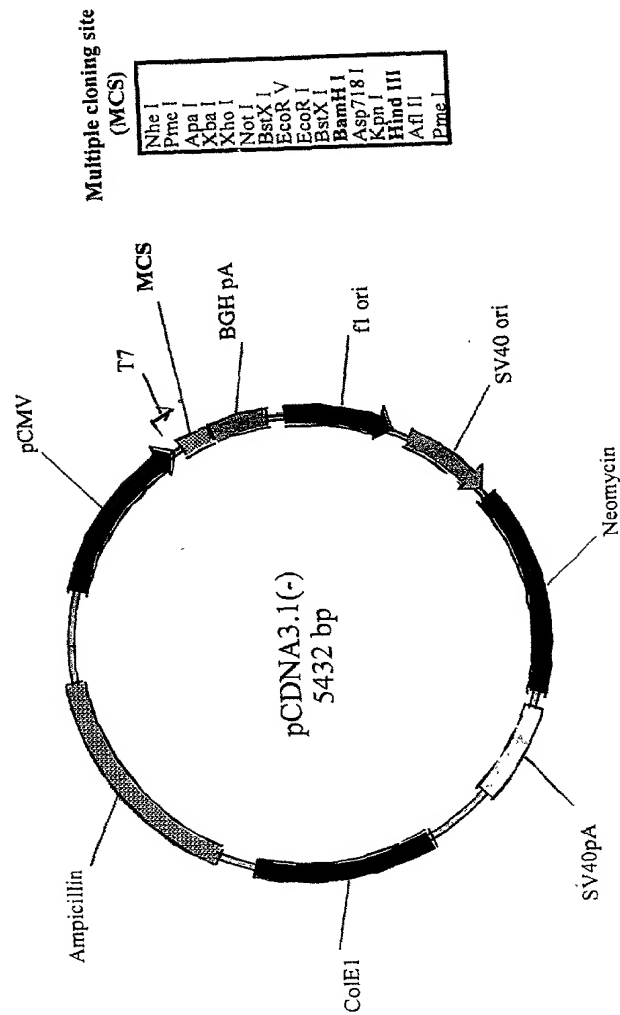


Figure 12

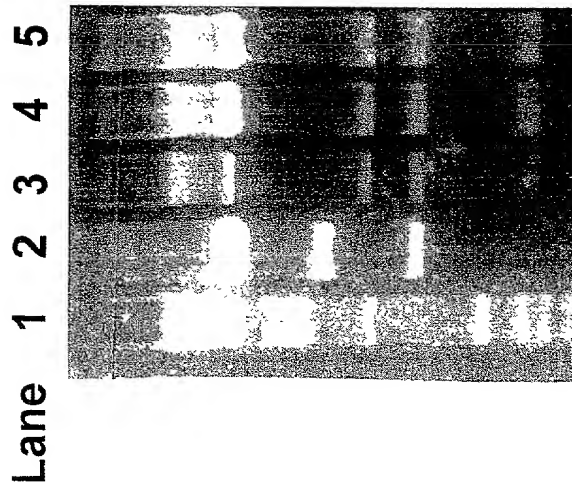


Figure 13

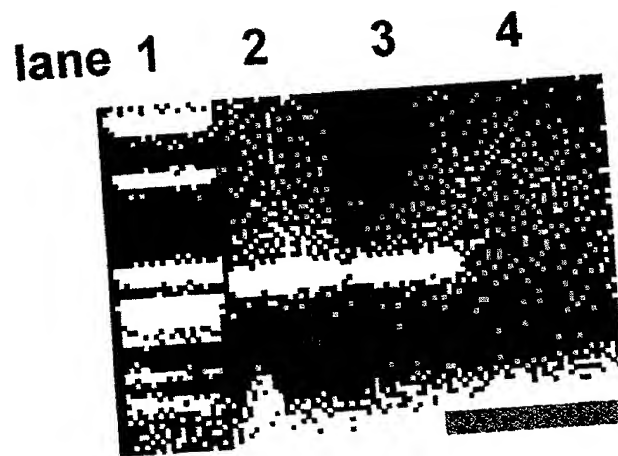


Figure 14

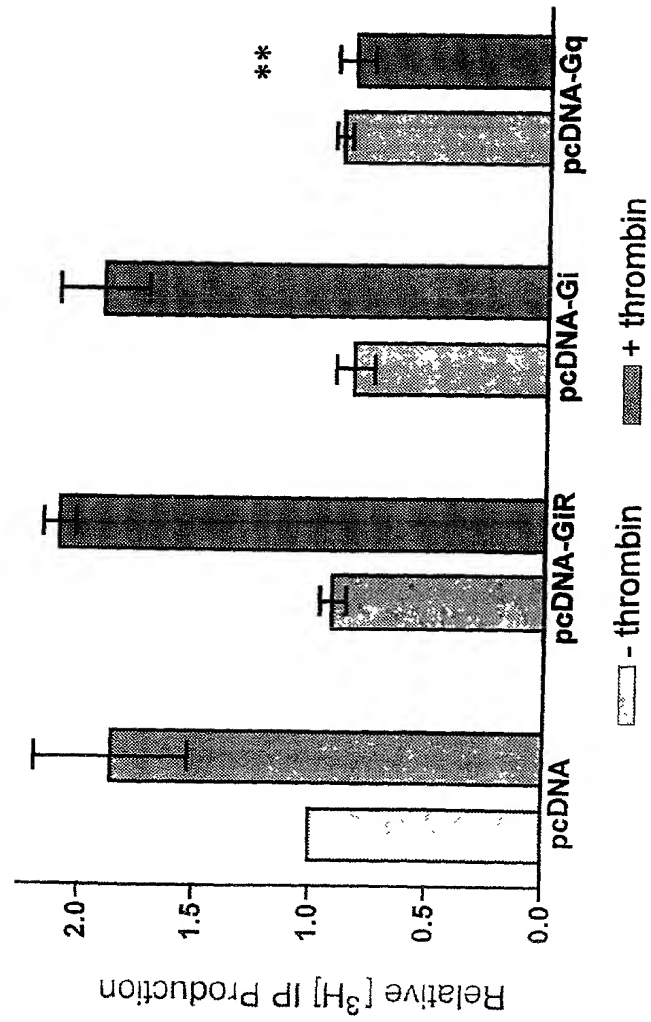


Figure 15

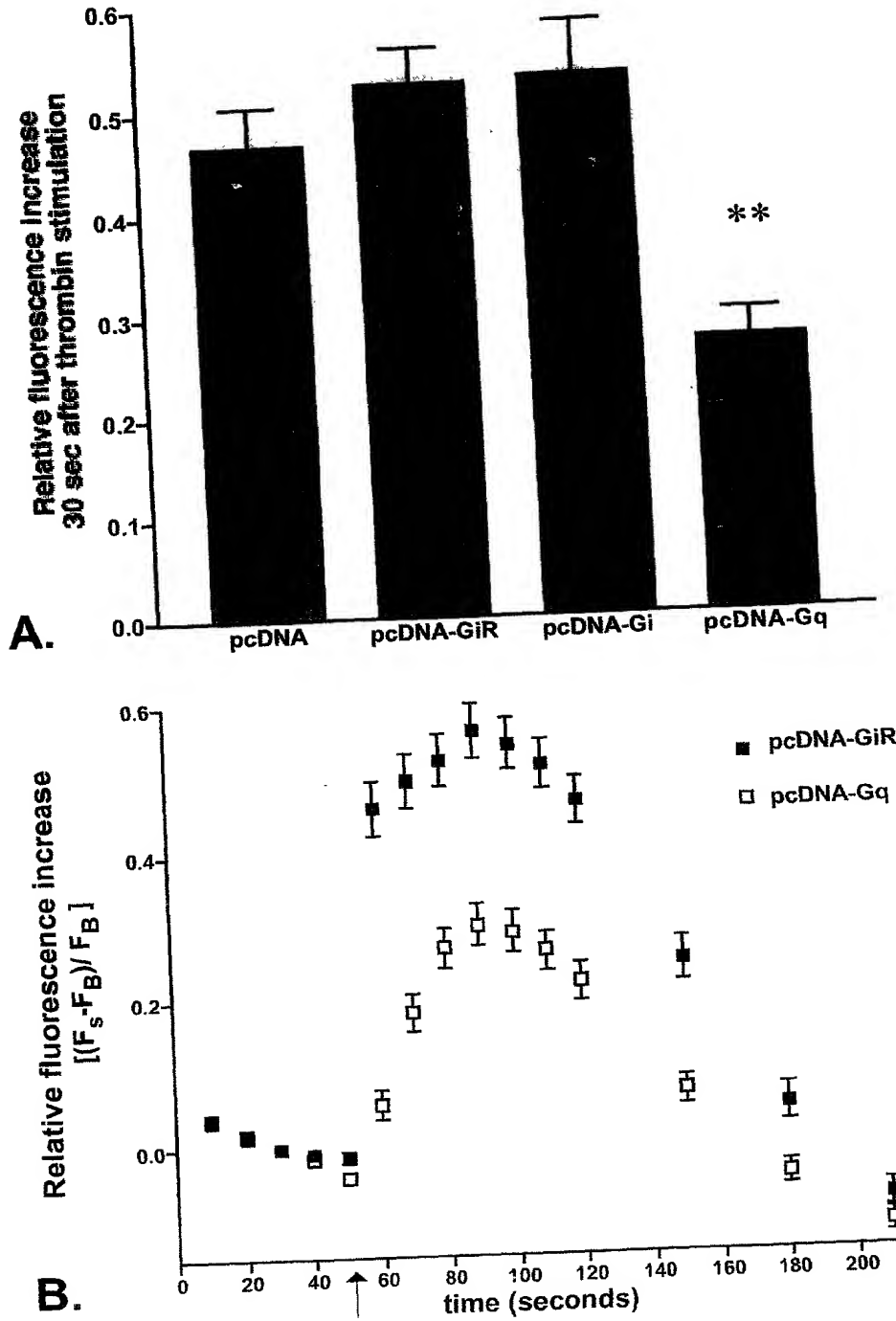


Figure 16

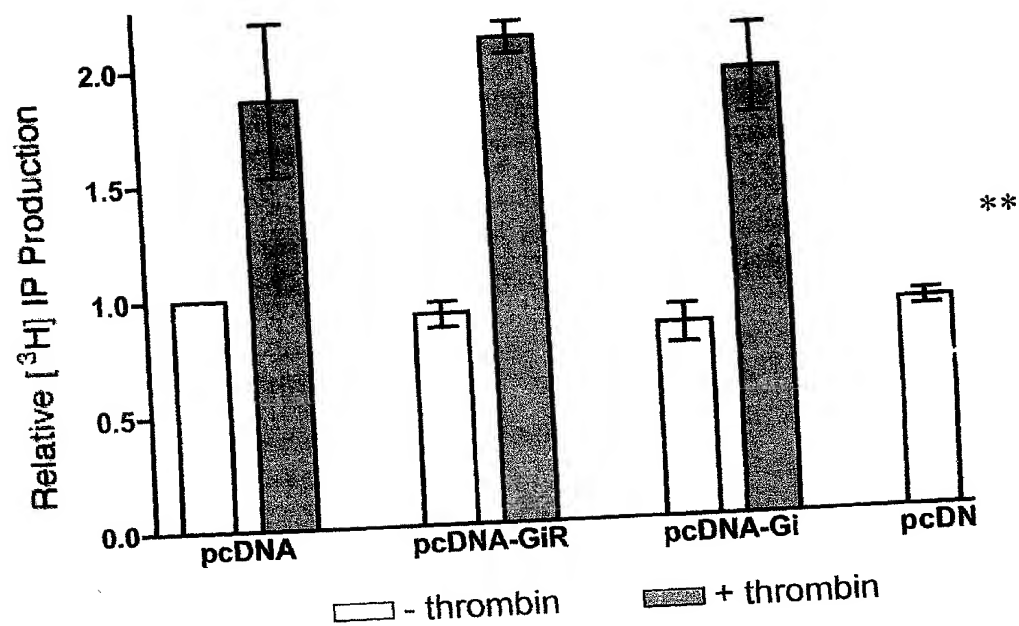


Figure 17

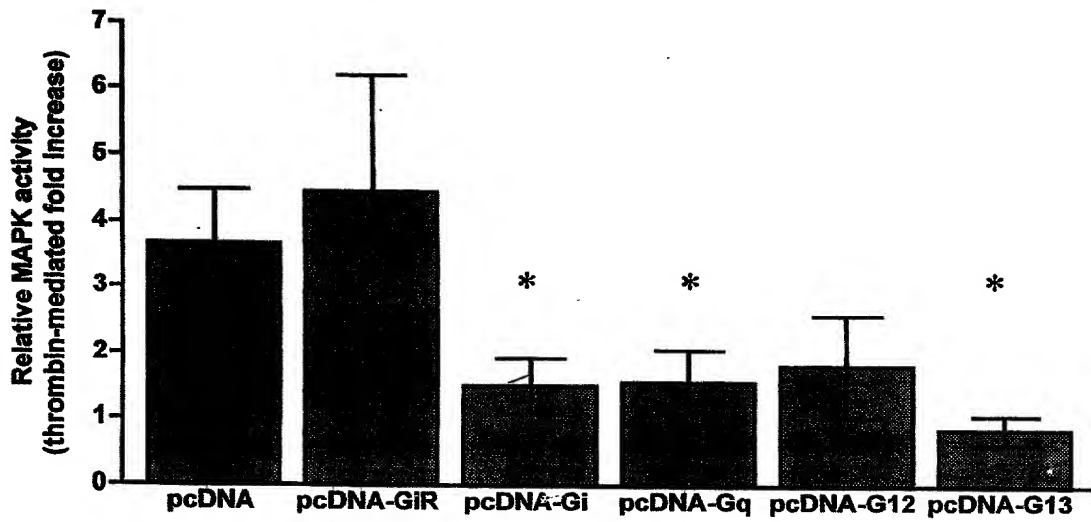


Figure 18

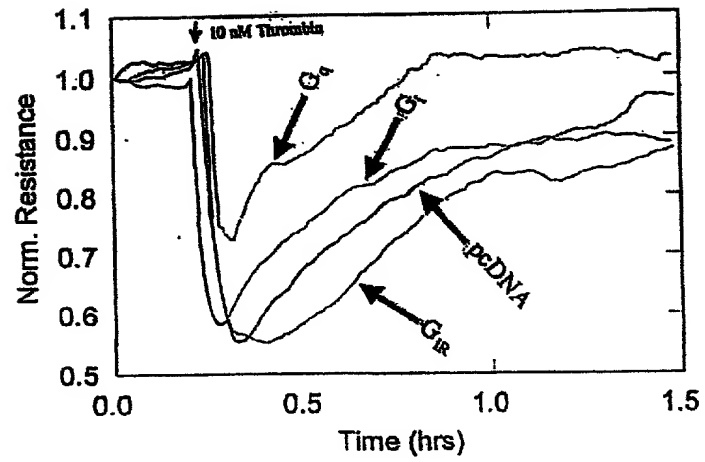


Figure 19

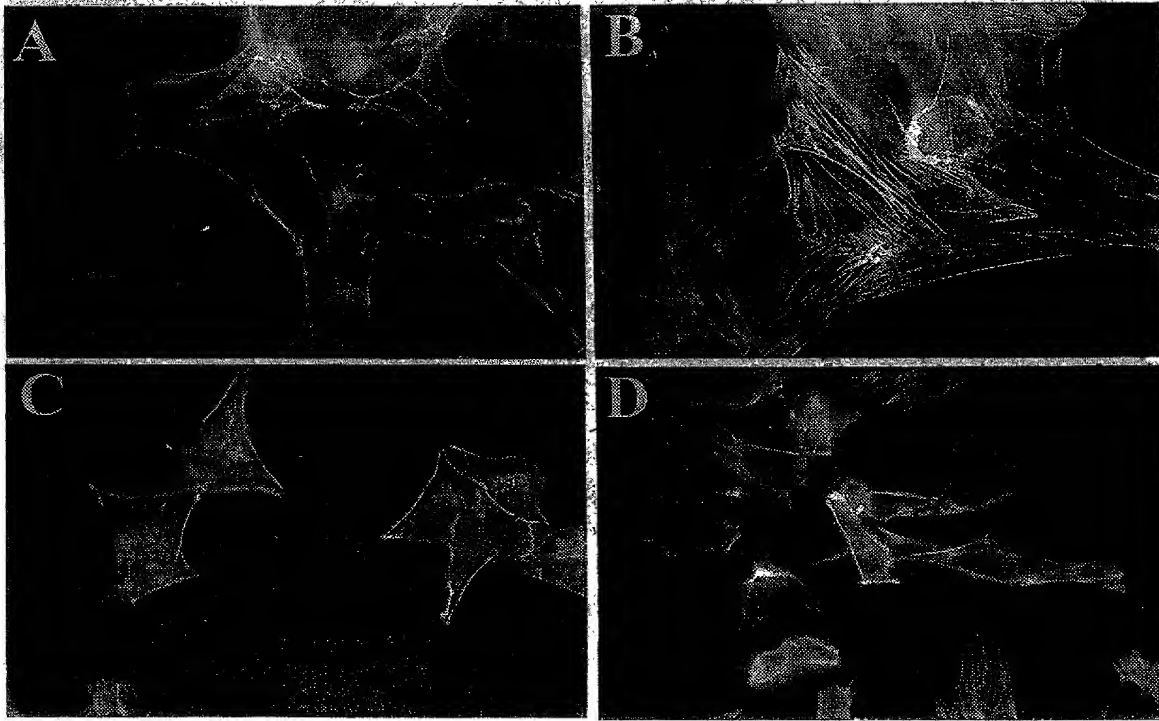


Figure 20

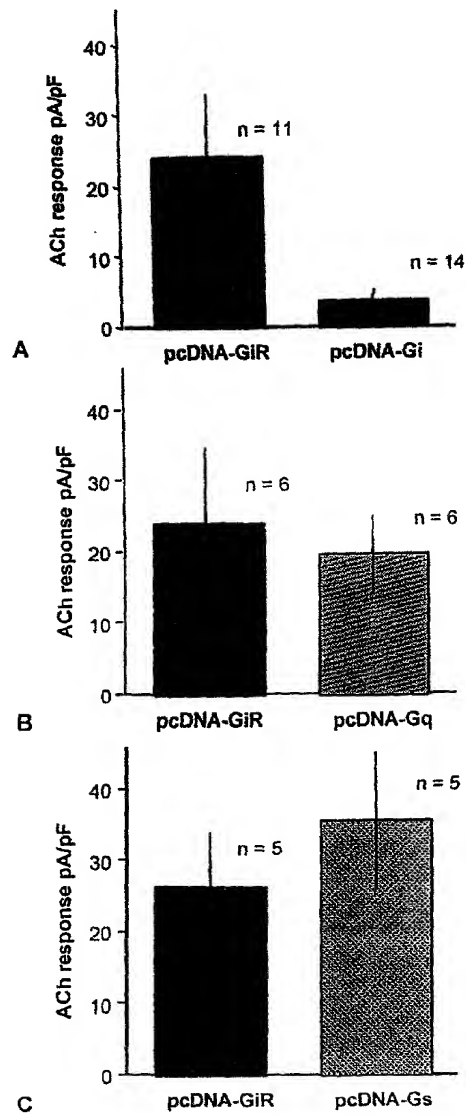


Figure 21

